In the Specification:

Please amend the specification pursuant to 37 CFR 1.121 as follows:

Page 1, below the title, please delete ~~Description~~
and insert instead
BACKGROUND OF THE INVENTION

Related Applications

This application is a continuation-in-part application of S.N. 09/180,706 filed on November 13, 1998.

Page 2, below line 4, please insert:
Description of the Related Art

Page 3, below line 5, please insert:
SUMMARY OF THE INVENTION

Page 3, below line 10, please delete the two paragraph (lines 11-13) stating with "This task ..." and ending with "...in the subclaims" in its entirety and insert instead:

Accordingly, the invention provides a method for continuous and fast detection of changes in the concentration of radon gas dissolved in water, using water-tight and gas-permeable membranes. This is accomplished, wherein, without the realization of a cycle, constantly new, radon-free gas is pumped through a gas zone surrounded by water and separated by a water-tight, gas-permeable membrane, into a radon measuring equipment unit where it is continually measured. The radon-free gas contemplated may be air. Also, the gas, after it leaves the radon measuring equipment unit, is discharged to an ambient surrounding. The water and the measuring gas may be conducted in a counter-current along the m mbrane. The water and the measuring

gas may be conducted parallel to the membrane. As a gas zone, a diffusion hos may be utiliz d.

The invention also provides a device for the continual and fast detection of the changes of concentration of radon gas which is dissolved in water. For this end, a gas zone having an inlet and an outlet is provided and is arranged in flowing water. The inlet of the gas zone is connected to a gas source and the outlet of the gas zone is connected with the inlet of a radon measuring equipment unit.

Page 4, below line 14, please insert:

BRIEF DESCRIPTION OF THE DRAWINGS

Page 4, below line 19, please insert:

Fig. 2 shows a schematic diagram of the device according to the invention.

DETAILED DESCRIPTION OF THE PRESENTLY PREFERRED EMBODIMENTS

Page 5, below line 5, please insert:

In Fig. 2 a schematic diagram shows the gas input line 4 connected to a pump 1 which is connected on the output side to a gas zone (volume) 2 located in a water container 7 which has a water input/output 6 and a water output/input 8 . The gas from 2 reaches the Rn measurement equipment 3 before it exits at gas output 5. This arrangement provides for the continual and fast detection of the changes of concentration of radon gas which is dissolved in water. For this end, a gas zone 2 has an inlet and an outlet and is arranged in flowing water 7. The inlet of the gas zone is connected to a gas source via the gas pump 1 and the outlet of the gas zone is connected with the inlet of the radon measuring equipment unit 3.